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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	A	TTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,274	10/720,274 11/25/2003		Yukihiko Shimonoma		024656-00031	4776
4372	7590	01/10/2005		Γ	EXAM	INER
ARENT FOX KINTNER PLOTKIN & KAHN					JEFFERY, JOHN A	
1050 CONNI	ECTICUT	AVENUE, N.W.		_		
SUITE 400		,			ART UNIT	PAPER NUMBER
WASHINGTON, DC, 20036				_	3742	

DATE MAILED: 01/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		1
	Application No.	Applicant(s)
	10/720,274	SHIMONOMA ET AL.
Office Action Summary	Examiner	Art Unit
	John A. Jeffery	3742
The MAILING DATE of this communication appeared for Reply	opears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a re  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply de .136(a). In no event, however, may a reply be .136(a). In no event, however, may a reply be .136(a). In no event, however, may a reply be .136(a). In no event, however, may a reply be .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, may a reply be tile .136(a). In no event, however, h	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on	·	
2a) This action is <b>FINAL</b> . 2b) Th	is action is non-final.	
3)⊠ Since this application is in condition for allow closed in accordance with the practice under	·	
Disposition of Claims	•	
4)  Claim(s) 1 and 2 is/are pending in the application 4a) Of the above claim(s) is/are withdrawith 5)  Claim(s) 1 and 2 is/are allowed.  6)  Claim(s) is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/	awn from consideration.	
Application Papers		
9) ☐ The specification is objected to by the Examin 10) ☑ The drawing(s) filed on 25 November 2003 is/ Applicant may not request that any objection to the Replacement drawing sheet(s) including the correctable.  11) ☐ The oath or declaration is objected to by the Examin	fare: a)⊠ accepted or b)⊡ objec e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). njected to. See 37 CFR 1.121(d).
Priority under 35 Ú.S.C. § 119	•	
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:  1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority documer application from the International Burea * See the attached detailed Office action for a lis	nts have been received. nts have been received in Applicat ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)	_	
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail D	
<ul> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date</li> </ul>		Patent Application (PTO-152)

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#### **DETAILED ACTION**

## **Quayle Action**

This application is in condition for allowance except for the following formal matters:

#### Title of Invention

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: "Air Heater With Expansion Containing Electric Heater Arranged in Stages."

## Claim Objections

Claims 1 and 2 are objected to because of the following informalities:

Claim 1: In line 3, "which are" must be deleted, and the commas deleted in line 4 and 6. In the last line, a period must be inserted after "larger."

Claim 2: In line 2, "by bending it somewhere along it" must be deleted for brevity because the phrase is superfluous. Such a process is implied by the term "bent portion." Also, "is" must be deleted in line 2 for brevity.

Appropriate correction is required.

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Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. Jeffery whose telephone number is (571) 272-4781. The examiner can normally be reached on Monday - Thursday from 7:00 AM to 4:30 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans, can be reached on (571) 272-4777. All faxes should be sent to the centralized fax number at (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JOHN A. JEFFERY PRIMARY EXAMINER

1/5/05